

# MC210 Series

## Industrial Media Converter

### Features

- One10/100Base-T (X) port and one100Base-FX port ,Auto sensing speed and full/half duplex
- Supports two different operating modes: store-forward and direct - forward
- Fiber connector : SC/ST、 Multimode / Single Mode, Single Fiber / Double Fiber
- Power supply input : 24VDC( redundancy) / 220VAC
- Rugged Steel Enclosure
- Fanless design
- DIN Rail mount, Plug and Play



### Product Overview

MC210 is an industrial media converter offering one 10/100Base-TX port to one 100Base-FX conversion. It is designed for stable, reliable and safe operation in harsh industrial environments with low power consumption, and high strength aluminum housing, providing IP30 protection with - 40 °C~ 85 °C wide range operating temperature.



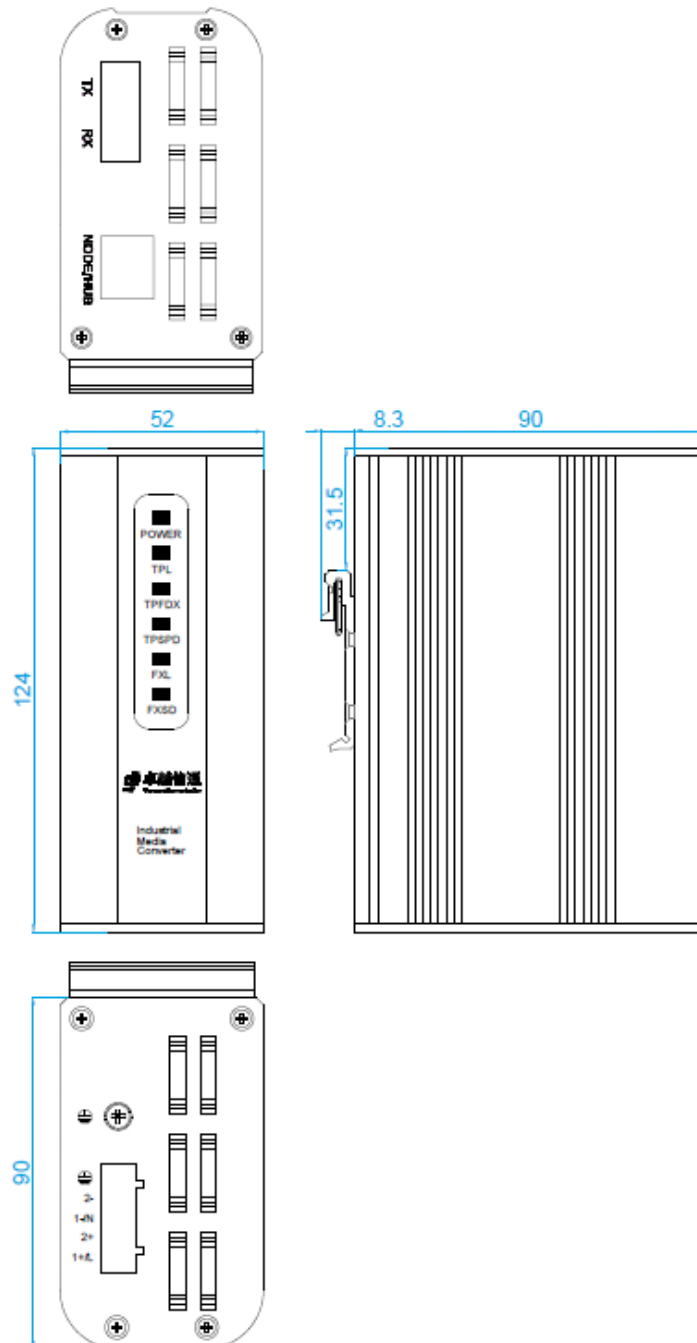
## Specification

Compliances			
Standard	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX、100Base-FX) IEEE 802.3x(Flow Control)		
Switching			
Mode	Store and forward, direct forwarding		
Date buffer	128Kbit		
Switching Delay	<250μs		
Interface			
Electrical Port	One 10 / 100Base-T (X) port, RJ45, Auto Flow Speed Control, Full / Half - duplex mode, MDI/MDI-X Auto Detection		
Fiber Optical Port	One 100Base-FX port (SC/ST, Multi / Single, Single / Double)		
LED Indicator	Power Supply (POWER), Electrical Port Link (TPL), Electrical Port Duplex (TPFDX), Electrical Port Rate (TPSPD), Fiber Optical Port Link (FXL), Fiber Optical Port Signal Detection (FXSD)		
Mechanical			
Dimensions	52mm×90mm×124mm(W × D × H)		
Weight	445g		
Installation	DIN Rail		
Protection	IP30		
Electrical			
Input Voltage	24VDC (18 ~ 36VDC Redundant Power Input) / 220VAC (85 ~ 265VAC) Support Overload, reverse connection protection, 5 - pin 5.08mm spacing terminals		
Power	2.35W		
Working Environment			
Operating Temperature	-40°C~85°C		
Storage Temperature	-40°C~85°C		
Relative Humidity	5%~95% ( Non condensing )		
Certifications			
System Certification	ISO9001 , ISO14001 , ISO22163 ( IRIS )		
Standard Certification	CE , FCC, RoHS		
Safety	Compliance with UL508		
EMC	EMI	FCC Part 15 , CISPR (EN55022) class A	
	EMS	ESD	Compliance with EN61000-4-2
		RS	Compliance with EN61000-4-3



	EFT	Compliance with EN61000-4-4
	Surge	Compliance with EN61000-4-5
	CS	Compliance with EN61000-4-6
	PFMF	Compliance with EN61000-4-8
Vibration	Compliance with IEC 60068-2-6	
Shock	Compliance with IEC 60068-2-27	
Free fall	Compliance with IEC 60068-2-32	
MTBF	500,000	

## Physical Dimensions



## Ordering Information

Model	Description
MC210-ST02D3-D2	1*100 Base-TX port+1*100 Base-FX port (ST multi mode double fiber, 1310nm,2 km), industrial media converte,18 ~ 36VDC
MC210-ST20D3-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1310nm,20 km), industrial media converter, 18 ~ 36VDC
MC210-ST40D3-D2	One 100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1310nm,40 km), industrial media converter, 18 ~ 36VDC
MC210-ST80D5-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1550nm,80 km), industrial media converter, 18 ~ 36VDC
MC210-ST20B3-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 20 km), industrial media converter, 18 ~ 36VDC
MC210-ST20B5-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 20 km), industrial media converter, 18 ~ 36VDC
MC210-ST40B3-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 40 km), industrial media converter, 18 ~ 36VDC
MC210-ST40B5-D2	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 40 km), industrial media converter, 18 ~ 36VDC
MC210-ST02D3-HV	1*100 Base-TX port+1*100 Base-FX port (ST multi mode double fiber, 1310nm,2 km), industrial media converte,85~265 VAC/DC
MC210-ST20D3-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1310nm,20 km), industrial media converter, 85~265 VAC/DC
MC210-ST40D3-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1310nm,40 km), industrial media converter, 85~265 VAC/DC
MC210-ST80D5-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode double fiber, 1550nm,80 km), industrial media converter, 85~265 VAC/DC
MC210-ST20B3-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 20 km), industrial media converter, 85~265 VAC/DC
MC210-ST20B5-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 20 km), industrial media converter, 85~265 VAC/DC
MC210-ST40B3-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 40 km), industrial media converter, 85~265 VAC/DC
MC210-ST40B5-HV	1*100 Base-TX port+1*100 Base-FX port (ST single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 40 km),



	industrial media converter, 85~265 VAC/DC
MC210-SC02D3-D2	1*100 Base-TX port+1*100 Base-FX port (SC multi mode double fiber, 1310nm,2 km), industrial media converter,18 ~ 36VDC
MC210-SC20D3-D2	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1310nm,20 km), industrial media converter, 18 ~ 36VDC
MC210-SC40D3-D2	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1310nm,40 km), industrial media converter, 18 ~ 36VDC
MC210-SC80D5-D2	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1550nm,80 km), industrial media converter, 18 ~ 36VDC
MC210-SC20B3-D2	1*100 Base-TX port+1*100 Base-FX port (SC single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 20 km), industrial media converter, 18 ~ 36VDC
MC210-SC20B5-D2	1*100 Base-TX port+1*100 Base-FX port (SC single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 20 km), industrial media converter, 18 ~ 36VDC
MC210-SC40B3-D2	1*100 Base-TX port+1* 100 Base-FX port (SC single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 40 km), industrial media converter, 18 ~ 36VDC
MC210-SC40B5-D2	1*100 Base-TX port+1* 100 Base-FX port (SC single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 40 km), industrial media converter, 18 ~ 36VDC
MC210-SC02D3-HV	1*100 Base-TX port+1*100 Base-FX port (SC multi mode double fiber, 1310nm,2 km), industrial media converter,85~265 VAC/DC
MC210-SC20D3-HV	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1310nm,20 km), industrial media converter, 85~265 VAC/DC
MC210-SC40D3-HV	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1310nm,40 km), industrial media converter, 85~265 VAC/DC
MC210-SC80D5-HV	1*100 Base-TX port+1*100 Base-FX port (SC single mode double fiber, 1550nm,80 km), industrial media converter, 85~265 VAC/DC
MC210-SC20B3-HV	1*100 Base-TX port+1*100 Base-FX port (SC single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 20 km), industrial media converter , 85~265 VAC/DC
MC210-SC20B5-HV	1*100 Base-TX port+1* 100 Base-FX port (SC single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 20 km), industrial media converter, 85~265 VAC/DC
MC210-SC40B3-HV	1*100 Base-TX port+1* 100 Base-FX port (SC single mode single fiber, sending wavelength 1310nm receiving wavelength 1550nm, 40 km), industrial media converter, 85~265 VAC/DC
MC210-SC40B5-HV	1*100 Base-TX port+1*100 Base-FX port (SC single mode single fiber, sending wavelength 1550nm receiving wavelength 1310nm, 40 km), industrial media converter, 85~265 VAC/DC



## More information

For more information about Transcend products, please visit our website or contact our local sales agency.

Contact information:

- Website: [www.transcendcom.cn](http://www.transcendcom.cn)
  - Email : [support@transcendcom.cn](mailto:support@transcendcom.cn)
  - Telephone : 4008-983-720/8610-51285116
  - Address : Transcend Technological Building, No.55,Houchangcun Road, Haidian Dist, Beijing , 100094, China
- 

**Copyright © 2021 Transcend Communication Beijing Co., Ltd. All Rights Reserved**

Part or all of this document shall not be copied or used in any way and transmitted in any form without the written permission of the Company.

The content of this document is for information only and is subject to change without prior notice.

